

ALL CLAIMS IN THE APPLICATION

Claim 1 (currently amended): A crushing-breaking apparatus, comprising a frame having side plates facing each other and spaced apart a predetermined distance, a first cutlery device provided in said frame, said first
5 cutlery device comprising a plurality of first projection-shaped cutleries, a second cutlery device provided in said frame, said ~~second~~ second cutlery device comprising a plurality of second projection-shaped cutleries, said plurality of second projection-shaped
10 cutleries being disposed on said second cutlery device at locations offset relative to said first projection-shaped cutleries of said first cutlery device, first pivot means for pivotally supporting said first cutlery device, second pivot means for pivotally supporting said second
15 cutlery device, said first cutlery device comprising a relatively upper and a relatively lower end, said second cutlery device comprising a relatively upper end and a relatively lower end, wherein said first pivot means is situated at least near said relatively upper end of said
20 first cutlery device, wherein said second pivot means is situated at least near said relatively lower end of said second cutlery device, first abutment means effective for at times engaging said first cutlery device to thereby stop motion of said cutlery device about said first pivot
25 means, second abutment means effective for at times engaging said second cutlery device to thereby stop motion of said second cutlery device about said second pivot means, first motor means operatively connected to said first cutlery device at an area thereof which is at least
30 closer to said lower end of said first cutlery device than to said upper end of said first cutlery device, and second motor means operatively connected to said second cutlery device at an area thereof which is at least closer to said

(Amended Claim 1 Cont'd)

upper end of said second cutlery device than to said lower
35 end of said second cutlery device, said first motor means
being effective to pivotally move said first cutlery
device about said first pivot means as to thereby move said
relatively lower end of said first cutlery device toward
said second cutlery device, said second motor means being
40 effective to pivotally move said second cutlery device
about said second pivot means and generally toward said
first cutlery device, wherein said first cutlery device
continues to so move toward said second cutlery device and
said second cutlery device continues to so move toward said
45 first cutlery device as to place said relatively lower end
of said first cutlery device juxtaposed to said relatively
lower end of said second cutlery device and to place said
relatively upper ends of said first and second cutlery
devices spaced from each other and defining an inlet for
50 placing work to be crushed between said first cutlery
device and said second cutlery device.

Claim 2 (currently amended): A crushing-breaking
apparatus according to claim 1 ~~and further comprising~~
~~abutment means~~, wherein as said second cutlery device
moves in a direction generally toward said first cutlery
5 device said second cutlery device operatively engages said
first cutlery device and moves said first cutlery device
in a direction of movement as said second cutlery device
is experiencing, and wherein said first cutlery device
continues to be moved by said second cutlery device until
10 said first cutlery device engages said first abutment means.

Claim 3 (original): A crushing-breaking apparatus according to claim 1 and further comprising stop means, wherein as said second cutlery device moves in a direction generally toward said first cutlery device said
5 second cutlery device operatively engages said first cutlery device and moves said first cutlery device in a direction of movement as said second cutlery device is experiencing, and wherein said first cutlery device continues to be moved by said second cutlery device until
10 said first cutlery device engages said stop means thereby stopping movement of said first cutlery device, and wherein said second cutlery device continues in its movement generally toward said first cutlery device even after movement of said first cutlery device has been stopped by
15 said stop means.

Claim 4 (original): A crushing-breaking apparatus according to claim 3 and further comprising second stop means, and wherein said second cutlery device continues movement generally toward said first cutlery device after
5 said first cutlery device has stopped in movement until said second cutlery device operatively engages said second stop means.

Claim 5 (currently amended): A crushing-breaking apparatus according to claim 1 wherein said first motor means comprises a first hydraulic cylinder assembly with a first housing and a first piston responsive to the
5 pressure of hydraulic fluid supplied thereagainst, wherein said second motor means comprises a second hydraulic cylinder assembly with a second housing and a second piston responsive to the pressure of ~~hydarulic~~ hydraulic fluid supplied thereagainst, and wherein the force of the
10 first piston is maintained at a magnitude less than the force of said second piston.

Claim 6 (original): A crushing-breaking apparatus according to claim 1 and further comprising means for sensing whether said second cutlery device is applying a force against said first cutlery device and the work
5 carried between said first and second cutlery devices to be of a magnitude greater than a preselected magnitude, second means upon said force being sensed to be greater than said preselected magnitude being effective to cause at least said second cutlery device to be moved as to
10 thereby increase the space between said first and second cutlery devices to enable the work to fall downwardly between said first and second cutlery devices thereby placing the work in a location wherein a greater mechanical crushing advantage by at least said second cutlery device
15 is attained as to crush said work without requiring said force to be of a magnitude greater than said preselected magnitude.

Claim 7 (original): A crushing-breaking apparatus according to claim 1 and further comprising first means for sensing whether said second cutlery device is tending to apply a force against said first cutlery device and the
5 work carried between said first and second cutlery devices to be a magnitude greater than a preselected magnitude, second means upon said force being sensed to be greater than said preselected magnitude being effective to cause at least said second cutlery device to be moved as to
10 thereby increase the space between said first and second cutlery devices to enable the work to fall downwardly between said first and second cutlery devices thereby placing the work in a new location wherein a greater mechanical crushing advantage by at least said second
15 cutlery device is attained as to crush said work without requiring said force to be a magnitude greater than said preselected magnitude, wherein after said work has been placed in said new location and said first means is again sensing that said second cutlery device is again tending to
20 apply a force against said first cutlery device and the work carried between said first and second cutlery devices to be a magnitude again greater than said preselected magnitude, said second means upon said force being again sensed to be greater than said preselected magnitude again
25 being effective to again cause at least said second cutlery device to be moved as to thereby again increase the space between said first and second cutlery devices as to again enable the work to again fall further downwardly between said first and second cutlery devices thereby placing the
30 work in a location different from said new location wherein a still greater mechanical crushing advantage by at least said second cutlery device is attained as to said work without requiring said force to be a magnitude greater than said predetermined magnitude.